

Title (en)

DEVICE AND METHOD FOR PRODUCING ELECTRICAL POWER

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STROMERZEUGUNG

Title (fr)

DISPOSITIF ET MÉTHODE DE PRODUIRE UN COURANT ÉLECTRIQUE

Publication

EP 2941820 A2 20151111 (EN)

Application

EP 14706349 A 20140103

Priority

- US 201361748974 P 20130104
- US 2014010223 W 20140103

Abstract (en)

[origin: US2014191595A1] Briefly, the invention involves a system and method for generating electrical power. The system includes an electromagnet positioned with one pole directed toward a like pole of a permanent magnet. The permanent magnet is preferably mounted for oscillating movement toward the pole of the electromagnet. A control system for the electromagnet is provided to supply direct current (DC) power in the form of square wave pulses which coincide with the position of the permanent magnet. Power is collected upon the collapse of the magnetic field within the electromagnetic magnet. In some embodiments the present device is supplied in the form of a reciprocating engine which provides rotary motion in addition to the electrical power generated.

IPC 8 full level

H02K 35/02 (2006.01); **H02K 7/075** (2006.01); **H02K 53/00** (2006.01)

CPC (source: EP US)

H02K 7/075 (2013.01 - EP US); **H02K 35/02** (2013.01 - EP US); **H02K 53/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2014107604A2

Citation (examination)

- US 2010253093 A1 20101007 - MAC DONALD RAYMOND MILTON [US]
- US 3206609 A 19650914 - DAWES HERBERT G
- US 6541875 B1 20030401 - BERLINGER WILLIBALD G [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2014191595 A1 20140710; CA 2897147 A1 20140710; CN 105264755 A 20160120; EP 2941820 A2 20151111; HK 1216944 A1 20161209; IL 239792 A0 20150831; MX 2015008761 A 20160307; MX 358218 B 20180810; WO 2014107604 A2 20140710; WO 2014107604 A3 20150702

DOCDB simple family (application)

US 201414147353 A 20140103; CA 2897147 A 20140103; CN 201480011354 A 20140103; EP 14706349 A 20140103; HK 16104887 A 20160428; IL 23979215 A 20150705; MX 2015008761 A 20140103; US 2014010223 W 20140103